

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101625\
 Data File : BG064528.D
 Acq On : 16 Oct 2025 23:05
 Operator : RC/JU
 Sample : Q3343-04MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-ROLLOFF-WC-1MSD

Quant Time: Oct 17 10:49:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	15859	20.000	ng	# 0.00
21) Naphthalene-d8	10.609	136	62085	20.000	ng	# 0.00
39) Acenaphthene-d10	14.445	164	46495	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	113384	20.000	ng	0.00
76) Chrysene-d12	21.414	240	133273	20.000	ng	0.00
86) Perylene-d12	24.393	264	152729	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.415	112	118271	138.018	ng	0.00
7) Phenol-d6	7.001	99	142647	123.872	ng	0.02
23) Nitrobenzene-d5	8.975	82	110029	95.293	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	127830	151.675	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	294753	93.444	ng	0.00
79) Terphenyl-d14	19.804	244	665098	94.445	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.323	88	11312	33.374	ng	# 54
3) Pyridine	3.723	79	27858	30.581	ng	96
4) n-Nitrosodimethylamine	3.629	42	28816	43.636	ng	97
6) Aniline	7.148	93	29288	20.163	ng	96
8) 2-Chlorophenol	7.383	128	48013	45.628	ng	94
9) Benzaldehyde	6.960	77	19268	18.849	ng	93
10) Phenol	7.025	94	50490	41.562	ng	97
11) bis(2-Chloroethyl)ether	7.242	93	34757	42.248	ng	96
12) 1,3-Dichlorobenzene	7.706	146	49402	42.917	ng	98
13) 1,4-Dichlorobenzene	7.853	146	49551	42.891	ng	95
14) 1,2-Dichlorobenzene	8.170	146	47382	41.614	ng	94
15) Benzyl Alcohol	8.059	79	49404	46.585	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.341	45	51608	38.917	ng	94
17) 2-Methylphenol	8.264	107	40653	46.214	ng	96
18) Hexachloroethane	8.899	117	18360	40.263	ng	97
19) n-Nitroso-di-n-propyla...	8.623	70	33352	43.306	ng	97
20) 3+4-Methylphenols	8.593	107	54091	44.065	ng	92
22) Acetophenone	8.635	105	81946	54.513	ng	97
24) Nitrobenzene	9.011	77	53901	46.812	ng	# 96
25) Isophorone	9.539	82	95798	45.798	ng	97
26) 2-Nitrophenol	9.722	139	26670	46.539	ng	98
27) 2,4-Dimethylphenol	9.786	122	48049	54.896	ng	97
28) bis(2-Chloroethoxy)met...	10.021	93	50104	46.991	ng	97
29) 2,4-Dichlorophenol	10.256	162	52540	51.909	ng	93
30) 1,2,4-Trichlorobenzene	10.468	180	53935	48.871	ng	97
31) Naphthalene	10.656	128	149982	46.912	ng	97
32) Benzoic acid	9.921	122	16518m	24.580	ng	
33) 4-Chloroaniline	10.767	127	6729	5.485	ng	# 81
34) Hexachlorobutadiene	10.944	225	43922	46.471	ng	95
35) Caprolactam	11.537	113	13466m	38.863	ng	
36) 4-Chloro-3-methylphenol	11.901	107	61115	49.652	ng	96
37) 2-Methylnaphthalene	12.266	142	106437	43.371	ng	94
38) 1-Methylnaphthalene	12.483	142	111945	45.746	ng	96
40) 1,2,4,5-Tetrachloroben...	12.636	216	80667	53.734	ng	97
41) Hexachlorocyclopentadiene	12.618	237	98803	125.818	ng	93
43) 2,4,6-Trichlorophenol	12.883	196	48435	50.470	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.953	196	55621	51.914	ng	99
46) 1,1'-Biphenyl	13.282	154	179543	53.690	ng	98
47) 2-Chloronaphthalene	13.323	162	119803	47.983	ng	98
48) 2-Nitroaniline	13.529	65	43496	51.043	ng	97
49) Acenaphthylene	14.169	152	207735	56.049	ng	99
50) Dimethylphthalate	13.905	163	174736	47.985	ng	98
51) 2,6-Dinitrotoluene	14.022	165	39326	51.842	ng	87
52) Acenaphthene	14.510	154	123876	48.108	ng	96
53) 3-Nitroaniline	14.351	138	14161	20.242	ng	96
54) 2,4-Dinitrophenol	14.563	184	29729	54.048	ng	# 81
55) Dibenzofuran	14.845	168	213350	50.180	ng	98
56) 4-Nitrophenol	14.675	139	55150	100.127	ng	86
57) 2,4-Dinitrotoluene	14.816	165	60636	52.290	ng	97
58) Fluorene	15.497	166	175048	49.524	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.074	232	59580m	54.489	ng	
60) Diethylphthalate	15.274	149	187034	47.878	ng	97
61) 4-Chlorophenyl-phenyle...	15.485	204	93362	48.382	ng	96
62) 4-Nitroaniline	15.521	138	38072	52.214	ng	93
63) Azobenzene	15.779	77	148386	49.047	ng	98
65) 4,6-Dinitro-2-methylph...	15.579	198	31605	40.034	ng	95
66) n-Nitrosodiphenylamine	15.703	169	158575	52.373	ng	96
67) 4-Bromophenyl-phenylether	16.384	248	67699	50.739	ng	87
68) Hexachlorobenzene	16.496	284	79725	52.218	ng	98
69) Atrazine	16.655	200	73965	54.907	ng	97
70) Pentachlorophenol	16.843	266	91687	102.708	ng	95
71) Phenanthrene	17.230	178	305853	51.582	ng	100
72) Anthracene	17.319	178	312033	52.456	ng	99
73) Carbazole	17.589	167	284339	55.300	ng	98
74) Di-n-butylphthalate	18.153	149	332849	53.029	ng	99
75) Fluoranthene	19.240	202	393381	55.533	ng	99
77) Benzidine	19.428	184	33774	10.184	ng	96
78) Pyrene	19.604	202	412644	47.710	ng	98
80) Butylbenzylphthalate	20.497	149	160094	52.216	ng	97
81) Benzo(a)anthracene	21.396	228	441993	51.941	ng	98
82) 3,3'-Dichlorobenzidine	21.320	252	65622	22.784	ng	99
83) Chrysene	21.461	228	407092	50.444	ng	97
84) Bis(2-ethylhexyl)phtha...	21.320	149	228664	52.859	ng	96
85) Di-n-octyl phthalate	22.442	149	391936	53.908	ng	100
87) Indeno(1,2,3-cd)pyrene	27.753	276	556247	52.324	ng	# 92
88) Benzo(b)fluoranthene	23.458	252	450673	51.869	ng	98
89) Benzo(k)fluoranthene	23.517	252	443665	50.699	ng	100
90) Benzo(a)pyrene	24.257	252	427985	53.446	ng	98
91) Dibenzo(a,h)anthracene	27.800	278	453269	53.315	ng	96
92) Benzo(g,h,i)perylene	28.805	276	442689	53.583	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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